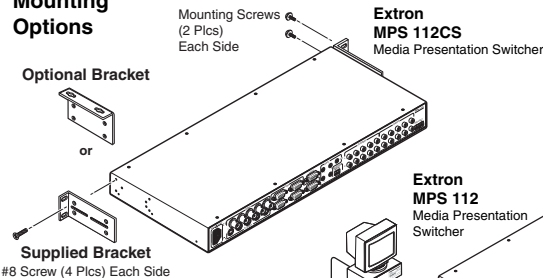


Description

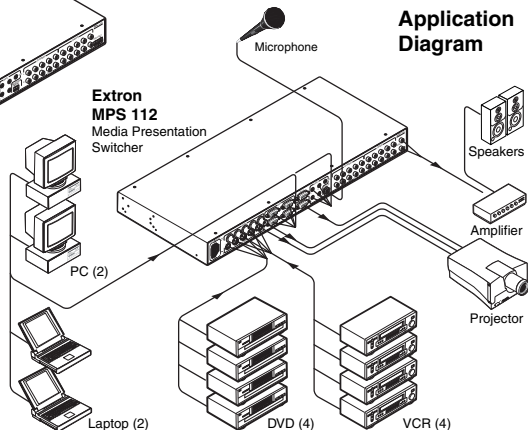
The Extron MPS 112 and MPS 112CS are media presentation switchers featuring three independent A/V switchers and a program audio switcher in one enclosure. The A/V switchers include a 4 x 1 VGA/audio switcher, a 4 x 1 S-video/audio switcher, and a 4 x 1 composite video/audio switcher. The MPS 112 and MPS 112CS accept microphone input and mix the microphone signal with the main audio in Talk Over mode. The MPS 112 features unbalanced audio on TRS or RCA connectors, while the MPS 112CS uses captive screw connectors for microphone input and program audio outputs for balanced or unbalanced audio. Both switchers feature RS-232 control ports.

Installation and Cabling

Mounting Options



1. Turn off power to the switcher and all other devices that will be connected.
2. If the switcher is to be rack, table, or wall mounted, position the brackets and insert the mounting screws. See the mounting diagram above.
3. Attach up to 12 VGA, S-video, or Video (composite) input devices (up to four of each type) to the switcher.
4. Connect VGA, S-video, and Video (composite) outputs (up to three) to projector's inputs.
5. For stereo audio input, connect up to 12 audio sources to audio inputs of the VGA, S-video, or Video (composite) groups (up to four for each group). See *Audio Connections* for wiring diagrams.
6. For unbalanced stereo audio output, connect an audio output device to each of the three groups, and one audio amplifier to the Program Audio connectors. See *Audio Connections* for wiring diagrams.
7. If the switcher is to be connected to a computer or host controller for remote control, connect the host's RS-232 cable to the 9-pin female RS-232 connector of the switcher. For an RS-232 pinout table, refer to the "Remote Control Port (RS-232)" section in chapter 5 of the manual.
8. Power up the input and output devices, then connect power to the switcher's rear AC connector.



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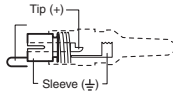
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Audio Connections

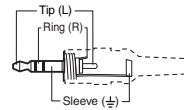
Connect devices for unbalanced audio input and output to the switcher using 3.5 mm mini jack connectors (for VGA group) or RCA connectors (for S-video and Video groups). Use these diagrams when wiring connections for the switcher.

RCA Connector



White: Left
Red: Right

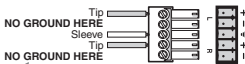
3.5 mm Stereo Mini Jack Connector (unbal.)



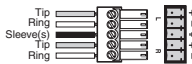
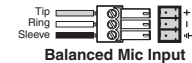
3/16" (5 mm) MAX.

CAUTION Do not tin the wires!

On the **MPS 112CS**, mic audio is input and program audio output as unbalanced or balanced audio on 3.5 mm captive screw connectors.



CAUTION For unbalanced audio, connect both sleeves to the center contact ground. DO NOT connect the sleeves to the negative (-) contacts.



Front Panel Operations

Selecting an input in Single switcher (one switcher with 12 inputs) mode —

Select the desired input by pressing the associated input button. The selected input is routed to the output of its group, and to the program output (audio). The outputs of the other groups are muted (to enable auto input switching of the display). Observe that the LED (only one) for the selected input lights.

Selecting an input in Separate switcher (three groups with four inputs each) mode —

Select the desired input in any (or all) of the three switcher groups (VGA, S-video, or Video) by pressing the associated input button. The inputs are routed to the output for each respective group. Observe that the LEDs (up to three) for the selected inputs light.

Selecting the switcher mode — Press and hold the Mode button, then press either the Single or the Separate button to select the desired mode. Release the Mode button once your selection has been made.

Program Audio — In Single switcher mode, selected audio from any of the 12 inputs (indicated by a solid LED) is routed to the Program Audio output. To change to another input, press the desired input button once. In Separate switcher mode, selected audio (indicated by a flashing LED) from one of the three input groups is routed to the Program Audio output. To change to another input from the same group, press the input button once. To change to an input from a different group, press the input button twice.

Program Audio mute and volume — To change the volume, use the Program Audio Volume control knob. To mute the Program Audio output, press the Mute button (the LED will light to indicate Program Audio is muted).

Microphone Volume and Mix — To change the volume of the microphone output, rotate the Mic Volume control knob. To mix the microphone input with the Program Audio output (talk-over), press the Mic Mix button.

Program Volume Reset — To reset the Program Audio volume to the default level (88), press and hold the Mode button and also press and release the Prog Vol Reset button.

Microphone Volume Reset — To reset the Microphone volume to the default level (0 dB), press and hold the Mode button and also press and release the Mic Vol Reset button.

Microphone (phantom) Power — To turn the microphone power on or off, press and hold the Mode button (>2 sec.) and also press and release the Mic Power button. The LED indicates if the power is on (lit) or off (not lit). The MPS 112 supplies 15 VDC. The MPS 112CS supplies 48 VDC phantom power.



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